

IN THE CLAIMS:

A clean version of all pending claims follows.

2. (ONCE AMENDED) A method in a data processing system for printing web pages, the method comprising the data processing system implemented steps of:
- receiving a request to print a web page; and
 - printing the web page and each web page associated with the web page;
- wherein the printing step automatically and individually prints each of a plurality of web pages associated with the web page on selected levels below the web page; and wherein if a first web page of the plurality appears more than once among the plurality, said first web page is only printed once.
3. The method of claim 2, wherein the printing step comprising:
- sending the web page and each web page associated with the web page on selected levels below the web page to a printer.
4. The method of claim 2, wherein the printing step comprising:
- sending the web page and each web page associated with the web page on selected levels below the web page to a display device.
5. The method of claim 2, wherein the printing step comprising:
- sending the web page and each web page associated with the web page on selected levels below the web page to a file.
6. The method of claim 2, wherein the data processing system is a client computer.
7. The method of claim 2, wherein the data processing system is a web server.

8. (ONCE AMENDED) A method in a data processing system for printing web pages, the method comprising the data processing system implemented steps of:
- responsive to an input selecting a current web page for printing, determining whether a maximum depth for printing has been reached;
 - identifying a set of universal resource identifiers located within the current web page in response to the maximum depth being unreached;
 - retrieving the web page identified by the set of uniform resource locators; and
 - printing each web page retrieved;
- wherein each web page retrieved is represented in a hash table, and wherein if a web page appears more than once in the hash table, said web page is only printed once.
9. The method of claim 8 further comprising:
- repeating the determining, identifying, retrieving, and printing steps for each web page until the maximum depth has been reached.
10. The method of claim 8, wherein the printing step comprises sending each web page to an output device.
11. The method of claim 10, wherein the output device is a printer.
12. The method of claim 10, wherein the output device is a display device.
13. The method of claim 8, wherein the data processing system is a client computer.
14. The method of claim 8, wherein the data processing system is a web server.
15. The method of claim 8, wherein the determining, identifying, and retrieving steps are performed in a web server and wherein the printing step is performed in a client computer.

16. (ONCE AMENDED) A method for printing items comprising the data processing system implemented steps of:

receiving a request to print a current item, wherein additional items are associated with the current item in relationship in which the additional items are on levels below the current item;

printing the current item;

determining whether additional items on levels below the current item are to be printed; and

responsive to a determination that additional items are to be printed, printing the additional items;

wherein if a first item appears more than once among the additional items, the first item is only printed once.

17. The method of claim 16, wherein the items are web pages associated using universal resource identifiers.

18. The method of claim 16, wherein the items are files associated using directories.

19. (ONCE AMENDED) A data processing system for printing web pages, the data processing system comprising:

receiving means for receiving a request to print a web page; and

printing means for printing the web page;

wherein the printing means automatically and individually prints each of a plurality of web pages associated with the web page on selected levels below the web page; and wherein if a first web page of the plurality appears more than once among the plurality, said first web page is only printed once.

20. The data processing system of claim 19, wherein the printing means comprises:
sending means for sending the web page and each web page associated with the web page on selected levels below the web page to a printer.

21. The data processing system of claim 19, wherein the printing means comprises:
sending means for sending the web page and each web page associated with the web page on selected levels below the web page to a display device.
22. The data processing system of claim 19, wherein the printing means comprises:
sending means for sending the web page and each web page associated with the web page on selected levels below the web page to a file.
23. The data processing system of claim 19, wherein the data processing system is a client computer.
24. The data processing system of claim 19, wherein the data processing system is a web server.
25. (ONCE AMENDED) A data processing system for printing web pages, the data processing system comprising:
determining means, responsive to an input selecting a current web page for printing, for determining whether a maximum depth for printing has been reached;
identifying means for identifying a set of universal resource identifiers located within the current web page in response to the maximum depth being unreached;
retrieving means for retrieving the web page identified by the set of uniform resource locators; and
printing means for printing each web page retrieved;
wherein each web page retrieved is represented in a hash table, and wherein if a web page appears more than once in the hash table, said web page is only printed once.
26. The data processing system of claim 25 further comprising:
repeating the determining means, identifying means, retrieving means, and printing means for each web page until the maximum depth has been reached.

27. The data processing system of claim 25, wherein the printing means comprises sending each web page to an output device.
28. The data processing system of claim 27, wherein the output device is a printer.
29. The data processing system of claim 27, wherein the output device is a display device.
30. The data processing system of claim 25, wherein the data processing system is a client computer.
31. The data processing system of claim 25, wherein the data processing system is a web server.
32. The data processing system of claim 25, wherein the determining means, identifying means, and retrieving means are performed in a web server and wherein the printing means is performed in a client computer.
33. A computer program product in a computer readable medium for printing web pages, the computer program product comprising:
first instructions for receiving a request to print a web page; and
second instructions for printing the web page and each web page associated with the web page on selected levels below the web page.
33. (ONCE AMENDED) A computer program product in a computer readable medium for printing web pages, the computer program product comprising:
first instructions for receiving a request to print a web page; and
second instructions for printing the web page and each web page associated with the web page on selected levels below the web page;